ಕರ್ನಾಟಕ ವಿಧಾನ ಪರಿಷತ್ತು

1. ಚುಕ್ಕೆ ಗುರುತಿಲ್ಲದ ಪ್ರಶ್ನೆ ಸಂಖ್ಯೆ : 466
2. ವಿಧಾನ ಪರಿಷತ್ತಿನ ಸದಸ್ಯರ ಹೆಸರು : ಶ್ರೀ ಎಸ್. ರವಿ
3. ಉತ್ತರಿಸಬೇಕಾದ ದಿನಾಂಕ : 21.02.2022
4. ಉತ್ತರಿಸಬೇಕಾದ ಸಚಿವರು : ಮಾನ್ಯ ಜೀವಿಪರಿಸ್ಥಿತಿ ಮತ್ತು ಪರಿಸರ ಹಾಗೂ ಪ್ರವಾಸೋದ್ಯಮ ಸಚಿವರು

ಕ್ರ ಸಂ	ಪ್ರಶ್ನೆ	ಉತ್ತರ
ಅ	ಕಾರ್ಖಾನೆಗಳು ಬಿಡುತ್ತಿರುವ ತ್ಯಾಜ್ಯದಿಂದ ಬೆಂಗಳೂರು ನಗರ ಮತ್ತು ಬೆಂಗಳೂರು ಗ್ರಾಮಾಂತರ ಜಿಲ್ಲೆಯ ಸುತ್ತಮುತ್ತಲಿನ ಎಷ್ಟು ಕೆರೆಗಳು ಮಾಲಿನ್ಯಗೊಂಡಿದ್ದು, ಈ ಕೆರೆಗಳ ನೀರಿನ ಸ್ಯಾಂಪಲ್‌ಗಳನ್ನು ಪರೀಕ್ಷಿಸಲಾಗಿದೆಯೇ; (ಪರೀಕ್ಷಿಸಿದ್ದಲ್ಲಿ, ಕೆರೆಗಳ ಮಾಹಿತಿ ನೀಡುವುದು)	ಬೆಂಗಳೂರು ನಗರದ ಕರ್ನಾಟಕ ರಾಜ್ಯ ಮಾಲಿನ್ಯ ನಿಯಂತ್ರಣ ಮಂಡಳಿಯ ಪೀಣ್ಯ ಪ್ರಾದೇಶಿಕ ಕಛೇರಿ ವ್ಯಾಪ್ತಿಯಲ್ಲಿರುವ ವಾಷ್‌ಪೋರ್ಟ್ ಪ್ರೋಸೆಸಿಂಗ್ ಪ್ರೈ.ಲಿ, ಸಂ.288, 4ನೇ ಹಂತ, ಪೀಣ್ಯ ಕೈಗಾರಿಕಾ ಪ್ರದೇಶ, ಬೆಂಗಳೂರು-560058 ಎಂಬ ಕಾರ್ಖಾನೆಯು ನೆಲಕದರನಹಳ್ಳಿ ಕೆರೆಗೆ (ಶಿವಪುರ ಕೆರೆ) ಮಳೆ ನೀರಿನ ಚರಂಡಿ ಮುಖಾಂತರ ಕಾನೂನು ಬಾಹಿರವಾಗಿ ತ್ಯಾಜ್ಯ ನೀರನ್ನು ವಿಸರ್ಜಿಸಿರುವುದು ಕಂಡುಬಂದಿರುತ್ತದೆ. ನೆಲಕದರನಹಳ್ಳಿ ಕೆರೆಯ ಹೊರ ಹರಿವು ಕರಿಹೋಬನಹಳ್ಳಿ ಕೆರೆಗೆ (ನರಸಪ್ಪನಹಳ್ಳಿ ಕೆರೆ) ಸೇರುತ್ತದೆ. ಪೀಣ್ಯ ಪ್ರಾದೇಶಿಕ ಕಛೇರಿ ವ್ಯಾಪ್ತಿಯಲ್ಲಿ ನೆಲಕದರನಹಳ್ಳಿ ಕೆರೆ (ಶಿವಪುರ ಕೆರೆ) ಮತ್ತು ಕರಿಹೋಬನಹಳ್ಳಿ ಕೆರೆ (ನರಸಪ್ಪನಹಳ್ಳಿ ಕೆರೆ) ಎಂಬ 2 ಕೆರೆಗಳಿರುತ್ತವೆ. ಸದರಿ ಕೆರೆಗಳ ನೀರಿನ ಮಾದರಿಗಳನ್ನು ಪ್ರತಿ ತಿಂಗಳು ಸಂಗ್ರಹಿಸಿ ಗುಣಮಟ್ಟವನ್ನು ಮಂಡಳಿಯಿಂದ ವಿಶ್ಲೇಷಿಸಲಾಗಿದೆ. ಕಳೆದ ಒಂದು ವರ್ಷಗಳ ವಿಶ್ಲೇಷಣಾ ವರದಿಗಳನ್ನು ಕ್ರೋಢೀಕರಿಸಿ ಅನುಬಂಧ -1ರಲ್ಲಿ ಲಗತ್ತಿಸಲಾಗಿದೆ. ಕೇಂದ್ರ ಮಾಲಿನ್ಯ ನಿಯಂತ್ರಣ ಮಂಡಳಿಯು ಅತ್ಯುತ್ತಮ ಬಳಕೆ ಮತ್ತು ಚಟುವಟಿಕೆಗಳನ್ನಾಧರಿಸಿ ಪ್ರಾಥಮಿಕ ಜಲ ಗುಣಮಟ್ಟದ ಮಾನದಂಡಗಳನ್ನು (Primary Water Quality Criteria) ರೂಪಿಸಿರುವ ಪ್ರಕಾರ ಸದರಿ ಕೆರೆಗಳ ನೀರಿನ ಗುಣಮಟ್ಟವನ್ನು ವರ್ಗ "ಇ" ಅಂದರೆ ನೀರಾವರಿ, ಕೈಗಾರಿಕಾ ತಂಪುಗೊಳಿಸುವಿಕೆ (Industrial Cooling) ಮತ್ತು ನಿಯಂತ್ರಿತ ತ್ಯಾಜ್ಯಕ್ಕೆ ಹೊಂದುತ್ತದೆ.
ಆ	ಈ ಕೆರೆಗಳಿಗೆ ಕೈಗಾರಿಕಾ ತ್ಯಾಜ್ಯಗಳನ್ನು ಹೊರಬಿಡುತ್ತಿರುವ ಕೈಗಾರಿಕೆಗಳನ್ನು	ಬೆಂಗಳೂರು ನಗರದ ಮಂಡಳಿಯ ಪೀಣ್ಯ ಪ್ರಾದೇಶಿಕ ಕಛೇರಿ ವ್ಯಾಪ್ತಿಯಲ್ಲಿರುವ ವಾಷ್‌ಪೋರ್ಟ್

	ಗುರುತಿಸಲಾಗಿದೆಯೇ; ಗುರುತಿಸಿದ್ದಲ್ಲಿ, ಇವರ ವಿರುದ್ಧ ಕೈಗೊಂಡಿರುವ ಕ್ರಮಗಳೇನು; (ದಾಖಲೆಗಳ ಸಹಿತ ವಿವರ ನೀಡುವುದು)	ಪ್ರೋಸೆಸಿಂಗ್ ಪ್ರೈ.ಲಿ, ಸಂ.288, 4ನೇ ಹಂತ, ಪೀಣ್ಯ ಕೈಗಾರಿಕಾ ಪ್ರದೇಶ, ಬೆಂಗಳೂರು-560058 ಎಂಬ ಕಾರ್ಖಾನೆಯು ನೆಲಕದರನಹಳ್ಳಿ ಕೆರೆಗೆ (ಶಿವಪುರ ಕೆರೆ) ಮಳೆ ನೀರಿನ ಚರಂಡಿ ಮುಖಾಂತರ ಕಾನೂನು ಬಾಹಿರವಾಗಿ ತ್ಯಾಜ್ಯ ನೀರನ್ನು ವಿಸರ್ಜಿಸುತ್ತಿದ್ದರಿಂದ ಜಲ (ಮಾಲಿನ್ಯ ನಿವಾರಣೆ ಮತ್ತು ನಿಯಂತ್ರಣ) ಕಾಯ್ದೆ 1974ರ ಅಡಿಯಲ್ಲಿ ಸದರಿ ಕೈಗಾರಿಕೆಯ ವಿರುದ್ಧ ಮಂಡಳಿ ವತಿಯಿಂದ ಕಾರ್ಖಾನೆಗೆ ದಿನಾಂಕ:15.02.2019 ರಂದು ಮುಚ್ಚುವ ಆದೇಶವನ್ನು ನೀಡಲಾಗಿದೆ. ಮುಚ್ಚುವ ಆದೇಶದ ಪ್ರತಿಯನ್ನು ಅನುಬಂಧ -2ರಲ್ಲಿ ಲಗತ್ತಿಸಿದೆ.
ಇ	ಕೈಗಾರಿಕಾ ತ್ಯಾಜ್ಯಗಳನ್ನು ಕೆರೆಗಳಿಗೆ ಬಿಡದಂತೆ ತಡೆಗಟ್ಟಲು ಸರ್ಕಾರ ಕೈಗೊಂಡಿರುವ ಕ್ರಮಗಳೇನು; (ವಿವರ ನೀಡುವುದು)	ಕೈಗಾರಿಕೆಗಳಿಂದ ಉತ್ಪತ್ತಿಯಾಗುವ ತ್ಯಾಜ್ಯ ನೀರನ್ನು ಕೈಗಾರಿಕೆಗಳಲ್ಲಿ ಕಡ್ಡಾಯವಾಗಿ ರೊಚ್ಚು ನೀರು ಸಂಸ್ಕರಣಾ ಘಟಕಗಳನ್ನು (ETP) ಅಳವಡಿಸಿ, ಮಂಡಳಿಯು ನಿಗದಿಪಡಿಸಿರುವ ಮಾನದಂಡಕ್ಕೆ ಸಂಸ್ಕರಿಸಿ, ಸಂಸ್ಕರಿಸಿದ ನೀರನ್ನು ಕೈಗಾರಿಕೆಯ ಅವರಣದಲ್ಲಿಯೆ ಮರು ಬಳಕೆ ಮಾಡುವಂತೆ ಷರತ್ತುಬದ್ಧ ಸಮ್ಮತಿ ಪತ್ರವನ್ನು ಕೈಗಾರಿಕೆಗಳಿಗೆ ನೀಡಲಾಗುತ್ತಿದೆ. ಸಣ್ಣ ಕೈಗಾರಿಕೆಗಳಿಂದ ಉತ್ಪತ್ತಿಯಾಗುವ ತ್ಯಾಜ್ಯ ನೀರು ಸಾಮೂಹಿಕ ತ್ಯಾಜ್ಯ ನೀರು ಸಂಸ್ಕರಣಾ ಘಟಕಕ್ಕೆ (CETP) ವಿಲೇವಾರಿ ಮಾಡುವಂತೆ ಷರತ್ತುಬದ್ಧ ಸಮ್ಮತಿ ಪತ್ರವನ್ನು ಕೈಗಾರಿಕೆಗಳಿಗೆ ನೀಡಲಾಗುತ್ತಿದೆ. ಮುಂದುವರೆದು, ಕಾರ್ಖಾನೆಗಳನ್ನು ನಿಯಮಿತವಾಗಿ ಪರಿವೀಕ್ಷಿಸಿ ರೊಚ್ಚು ನೀರು ಸಂಸ್ಕರಣಾ ಘಟಕವನ್ನು ವೈಜ್ಞಾನಿಕವಾಗಿ ಕಾರ್ಯನಿರ್ವಹಿಸುತ್ತಿವೆಯೆ ಎಂಬುದನ್ನು ಮಂಡಳಿಯಿಂದ ಪರಿಶೀಲಿಸಲಾಗುತ್ತಿದೆ. ಅಲ್ಲದೆ ಸಂಸ್ಕರಿಸಿದ ತ್ಯಾಜ್ಯ ನೀರಿನ ಮಾದರಿಗಳನ್ನು ಸಂಗ್ರಹಿಸಿ ಪ್ರಯೋಗಾಲಯದಲ್ಲಿ ವಿಶ್ಲೇಷಿಸಿ ನೀರಿನ ಗುಣಮಟ್ಟ ನಿಗದಿತ ಮಾನಕಗಳನ್ನು ಮೀರಿದ್ದಲ್ಲಿ ಮಂಡಳಿಯಿಂದ ನೋಟಿಸ್ ಜಾರಿ ಮಾಡಿ ಮುಂದಿನ ಕ್ರಮ ಕೈಗೊಳ್ಳಲಾಗುತ್ತದೆ.

ಸಂಖ್ಯೆ: ಅಪಜೀ 47 ಇಪಿಸಿ 2022

(ಆನಂದ್ ಸಿಂಗ್)
ಜೀವಿಪರಿಸ್ಥಿತಿ ಮತ್ತು ಪರಿಸರ ಹಾಗೂ
ಪ್ರವಾಸೋದ್ಯಮ ಸಚಿವರು

ಅನುಬಂಧ-I

Karihobanahalli Lake Report

Sl no.	Parameters	Units	Water Quality Criteria					5.1.2021	10.2.2021	4.3.2021	6.4.2021	25.5.2021	9.6.2021	15.7.2021	10.8.2021	14.9.2021	11.10.2021	17.11.2021	15.12.2021	Average
			A	B	C	D	E													
1	Temperature	C	-	-	-	-	-	25	25	25	25	25	24	25	25	25	25	25	25	25
2	pH	pH unit	6.5-8.5	6.5-8.5	6.0-9.0	6.5-8.5	6.0-8.5	7.4	6.9	7.1	6.9	6.5	7.1	6.7	6.5	6.9	6.8	6.7	7	6.88
3	Conductivity	µ mho/cm	-	-	-	-	≤ 2250	1651	2450	2300	2860	1593	1715	1163	1467	1566	1214	827	2155	1746.75
4	Dissolved Oxy	mg/l	≥ 6	≥ 5	≥ 4	≥ 4	-	5.1	BDL	2.8	0.5	4.2	4.9	1.9	BDL	3.8	6.1	5.9	5.4	4.06
5	BOD	mg/l	≤ 2	≤ 3	≤ 3	-	-	5	28	18	21	11	5	40	80	13	3	5	8	19.75
6	COD	mg/l	-	-	-	-	-	56	200	192	180	128	44	204	328	136	36	56	68	135.67
7	Nitrate-N	mg/l	-	-	-	-	-	4.47	3	5	5.6	2.27	1.7	2.67	7.03	4.4	3	3.4	6	4.05
8	Ammonical Ni	mg/l	-	-	-	-	-	-	-	-		.								-
9	Turbidity	NTU	-	-	-	-	-	4.8	6.5	2.9	0.6	5.1	13	4.8	3.2	6	11.3	28.5	11.5	8.18
10	Total Hardness	mg/l	-	-	-	-	-	420	616	600	716	368	564	252	316	420	276	264	556	447.33
11	Calcium	mg/l	-	-	-	-	-	216	320	308	372	192	324	132	164	232	136	124	284	233.67
12	Magnesium	mg/l	-	-	-	-	-	204	296	292	344	42	240	120	152	188	140	140	272	202.50
13	Chloride	mg/l	-	-	-	-	-	355	450	404	556	308	506	128	268	288	212	152	336	330.25
14	Sodium	mg/l	-	-	-	-	-	241	250	218	314	80	121	102	124	208	105	89	196	170.67
15	Potassium	mg/l	-	-	-	-	-	20	21	13	13	12	24	23	11	22	15	17	25	18.00
16	Sulphate	mg/l	-	-	-	-	-	57	53	47	58	33	38.5	44	47	26	14	24	12	37.79
17	P-Alkalinity	mg/l	-	-	-	-	-	NIL	NIL	NIL	NIL	NIL	NIL	NIL	NIL	NIL	NIL	NIL	NIL	-
18	Total Alkalinity	mg/l	-	-	-	-	-	392	528	444	556	276	404	244	248	344	192	200	472	358.33
19	Total Dissolved	mg/l	-	-	-	-	-	1120	1640	1496	1916	1096	1164	814	1036	1034	826	546	1486	1181.17
20	Phosphate	mg/l	-	-	-	-	-	0.6	0.32	0.55	0.26	0.23	BDL	0.89	2.48	0.42	0.36	0.13	0.3	0.59
21	Fluoride	mg/l	-	-	-	-	-	0.39	0.77	0.85	0.98	0.5	0.29	0.36	0.37	0.39	0.27	0.38	0.45	0.50
22	Boron	mg/l	-	-	-	-	≤ 2	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	-
23	Total Coliform	MPN/100ml	≤ 50	≤ 500	≤ 5000	-	-	350X10	$1600X10^2$	$350X10^3$	350X10	$240X10^3$	$350X10^2$	240X10	540X10	350X10	1600X10	1600X10	$920X10^2$	-
24	Fecal Coliform	MPN/100ml	-	-	-	-	-	$48X10^2$	$130X10^2$	$48X10^3$	$70X10^2$	$34X10^3$	$79X10^2$	$34X10^4$	$94X10^2$	$48X10^6$	$150X10^2$	$150X10^2$	$84X10^2$	-
25	Carbonate (Co	mg/l	-	-	-	-	-	NIL	NIL	NIL	NIL	NIL	NIL	NIL	NIL	NIL	NIL	NIL	NIL	-
26	Bicarbonate (H	mg/l	-	-	-	-	-	392	528	444	556	276	404	244	248	344	192	200	472	358.33
27	Cyanide	mg/l	-	-	-	-	-	-	-	-										-
28	Cadmium	mg/l	-	-	-	-	-	-	-	-	BDL						BDL			-
29	Copper	mg/l	-	-	-	-	-	-	-	-	0.08						BDL			0.08
30	Lead	mg/l	-	-	-	-	-	-	-	-	BDL						BDL			-
31	Total Chromiu	mg/l	-	-	-	-	-	-	-	-	BDL						BDL			-
32	Nickel	mg/l	-	-	-	-	-	-	-	-	0.196						BDL			0.20
33	Zinc	mg/l	-	-	-	-	-	-	-	-	0.836						0.28			0.56
34	Iron	mg/l	-	-	-	-	-	-	-	-	11.39						1.79			6.59
35	Manganese	mg/l	-	-	-	-	-	-	-	-	0.456						0.59			0.52
36	Total Kjeldhal	mg/l	-	-	-	-	-	-	-	-										-
37	Total Suspend	mg/l	-	-	-	-	-	-	-	-										-
38	Total fixed soli	mg/l	-	-	-	-	-	-	-	-										-
39	Dissolved Phos	mg/l	-	-	-	-	-	-	-	-										-
40	Mercury	mg/l	-	-	-	-	-	-	-	-										-
41	Sodium Absor	-	-	-	-	-	-	-	-	-										-
42	Free Ammonia	mg/l	-	-	-	-	-	-	-	-										-
43	Ortho Phospha	mg/l	-	-	-	-	-	-	-	-										-
44	Ammonia	mg/l	-	-	-	-	-	23	26.1	7.4	7.76	0.49	3.2	12	12.8	13	1.5	6.72	0.25	9.52
45	Fecal Streptoc	MPN/100ml	-	-	-	-	-	41	34	70	70	22	33							45.00
	Inference							Class D	Class Below E	Class Below E	Class Below E	Class D	Class D	Class E	Class E	Class E	Class [illegible]	Class [illegible]	Class [illegible]	

Sl No	Parameters	Units	Water Quality Criteria					5.1.2021	10.2.2021	4.3.2021	6.4.2021	25.5.2021	9.6.2021	15.7.2021	10.8.2021	14.9.2021	11.10.2021	17.11.2021	15.12.2021	Average
1	Temperature	C	-	-	-	-	-	25	25	25	25	25	25	25	25	25	25	25	25	25
2	pH	pH unit	6.5-8.5	6.5-8.5	6.0-9.0	6.5-8.5	6.0-8.5	7.6	7.4	7.2	7.4	6.8	7.4	7.2	6.8	6.9	6.5	6.6	7	7.07
3	Conductivity	µ mho/cm	-	-	-	-	≤ 2250	1749	3250	3770	4110	2710	2540	1762	1914	2180	1074	762	2040	2321.75
4	Dissolved Oxyg	mg/l	≥ 6	≥ 5	≥ 4	≥ 4	-	5	BDL	BDL	BDL	2.6	0.4	0.8	BDL	2.9	3	5.8	2.8	2.91
5	BOD	mg/l	≤ 2	≤ 3	≤ 3	-	-	5	72	83	58	15	22	53	75	17	17	5	15	36.42
6	COD	mg/l	-	-	-	-	-	52	288	344	356	160	156	256	312	212	160	55	104	204.58
7	Nitrate-N	mg/l	-	-	-	-	-	3.1	6.5	4.03	2.02	3.16	4.4	4.02	9.19	6.1	3.3	3	5	4.49
8	Ammonical Nitr	mg/l	-	-	-	-	-	-	-	-		-	-							-
9	Turbidity	NTU	-	-	-	-	-	9.4	24.2	22.6	32	7.3	25	6.5	6.5	11	22.4	20.9	15.2	16.92
10	Total Hardness	mg/l	-	-	-	-	-	384	620	492	820	532	428	364	400	304	252	204	532	444.33
11	Calcium	mg/l	-	-	-	-	-	196	316	252	172	276	232	184	204	164	128	104	272	208.33
12	Magnesium	mg/l	-	-	-	-	-	188	304	240	158	62	196	180	196	140	124	100	260	179.00
13	Chloride	mg/l	-	-	-	-	-	395	804	768	973	400	789	348	372	140	240	156	444	485.75
14	Sodium	mg/l	-	-	-	-	-	257	169	220	741	160	297	153	164	80	133	94	284	229.33
15	Potassium	mg/l	-	-	-	-	-	21	39	58	28	12	59	30	15	18	12	12	17	26.75
16	Sulphate	mg/l	-	-	-	-	-	68	63	104	104	44	39	41	61	57	52	35	32	58.33
17	P-Alkalinity	mg/l	-	-	-	-	-	0.8	NIL	NIL	NIL	NIL	NIL	NIL	NIL	NIL	NIL	NIL	NIL	0.80
18	Total Alkalinity	mg/l	-	-	-	-	-	408	600	588	624	364	624	296	344	500	200	172	312	419.33
19	Total Dissolved	mg/l	-	-	-	-	-	1180	2468	2668	2878	1862	1730	1240	1356	1298	730	518	1408	1611.33
20	Phosphate	mg/l	-	-	-	-	-	0.8	0.31	1.26	0.32	0.31	0.18	1.24	2.74	0.43	0.12	0.3	1	0.75
21	Fluoride	mg/l	-	-	-	-	-	0.42	0.12	0.47	0.85	0.43	0.19	0.39	0.34	0.302	0.29	0.33	0.38	0.38
22	Boron	mg/l	-	-	-	-	≤ 2	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	-
23	Total Coliforms	MPN/100m	≤ 50	≤ 500	≤ 5000	-	-	1600X10	$920X10^{4}$	920X10	540X10	$540x10^{3}$	$540x10^{4}$	$350x10^{3}$	$540x10^{4}$	540X10	$350X10^{2}$	$540X10^{3}$	$350X10^{2}$	-
24	Fecal Coliforms	MPN/100m	-	-	-	-	-	$150X10^{2}$	$110X10^{4}$	110X10	$94X10^{4}$	$46x10^{3}$	$94x10^{4}$	$46x10^{3}$	$150X10^{4}$	$94X10^{5}$	$46X10^{2}$	$63X10^{3}$	$40X10^{2}$	-
25	Carbonate (Co3	mg/l	-	-	-	-	-	NIL	NIL	NIL	NIL	NIL	NIL	NIL	NIL	NIL	NIL	NIL	NIL	-
26	Bicarbonate (H	mg/l	-	-	-	-	-	408	600	588	624	364	624	296	344	500	200	172	312	419.33
27	Cyanide	mg/l	-	-	-	-	-	-	-	-		-	-	-						-
28	Cadmium	mg/l	-	-	-	-	-	-	-	-	BDL	-	-	-			BDL			-
29	Copper	mg/l	-	-	-	-	-	-	-	-	0.08	-	-	-			BDL			0.08
30	Lead	mg/l	-	-	-	-	-	-	-	-	0.26	-	-	-			BDL			0.26
31	Total Chromium	mg/l	-	-	-	-	-	-	-	-	BDL	-	-	-			BDL			-
32	Nickel	mg/l	-	-	-	-	-	-	-	-	BDL	-	-	-			BDL			-
33	Zinc	mg/l	-	-	-	-	-	-	-	-	0.184	-	-	-			0.21			0.20
34	Iron	mg/l	-	-	-	-	-	-	-	-	3.6	-	-	-			2			2.80
35	Manganese	mg/l	-	-	-	-	-	-	-	-	0.69	-	-	-			0.33			0.51
36	Total Kjeldhal N	mg/l	-	-	-	-	-	-	-	-		-	-	-						-
37	Total Suspende	mg/l	-	-	-	-	-	-	-	-		-	-	-						-
38	Total fixed solid	mg/l	-	-	-	-	-	-	-	-		-	-	-						-
39	Dissolved Phosp	mg/l	-	-	-	-	-	-	-	-		-	-	-						-
40	Mercury	mg/l	-	-	-	-	-	-	-	-		-	-	-						-
41	Sodium Absorp	mg/l	-	-	-	-	-	-	-	-		-	-	-						-
42	Free Ammonia	mg/l	-	-	-	-	-	-	-	-		-	-	-						-
43	Ortho Phosphat	mg/l	-	-	-	-	-	-	-	-		-	-	-						-
44	Fecal Streptoco	MPN/100m	-	-	-	-	-	94	140	84	31	31	110							81.67
45	Ammonia	mg/l	-	-	-	-	-	23.7	9.77	28.8	14.4	0.47	5.3	14	12.3	15	7.8	6.03	6.21	11.98
	Inference							Class D	Class Below F	Class Below F		Class E	Class E	Class E	Class E	Class E	Class E	Class D	Class E	

ಫ್ಯಾಕ್ಸ್ / Fax : 080-25586321
ಈಮೇಲ್ / E-mail : ho@kspcb.gov.in
ವೆಬ್‌ಸೈಟ್ / Website : http://kspcb.gov.in

25581383, 25589112
25588151, 25588270
25588142, 25586520

ಕರ್ನಾಟಕ ರಾಜ್ಯ ಮಾಲಿನ್ಯ ನಿಯಂತ್ರಣ ಮಂಡಳಿ
Karnataka State Pollution Control Board

"ಪರಿಸರ ಭವನ", 1 ರಿಂದ 5ನೇ ಮಹಡಿಗಳು, ನಂ.49, ಚರ್ಚ್ ಸ್ಟ್ರೀಟ್, ಬೆಂಗಳೂರು - 560 001, ಕರ್ನಾಟಕ, ಭಾರತ
"Parisara Bhavana", 1st to 5th Floor, # 49, Church Street, Bengaluru - 560 001, Karnataka, INDIA

No: PCB/CEO-NEIA/Closure/2018-19/625 DATE: 15 FEB 2019

Closure Directions under Section 33 (A) of the Water (Prevention and Control of Pollution) Act, 1974 read with Rule 34 of Karnataka State Board for the Prevention and Control of Water Pollution (Procedure for Transaction of Business) and the Water (Prevention and Control of Pollution) Rules, 1976.

Sub: Non –compliance under the Provisions of the Water (Prevention & Control of Pollution) Act, 1974 by **M/s. Washport Processing**, No. 288, IV Phase, Peenya Industrial Area, Bengaluru-560058.

Ref: 1. The RSEO- Bengaluru City report No. 469, dated: 10.08.2018.
2. PH call letter No. 3928, dtd: 02.11.2018.
3. Proceedings of PH communicated to industry vide No. 4448, dtd: 30.11.2018.
4. RO-Peenya inspected on 09.11.2018 and inspection report No. 1382, dtd: 24.11.2018.
5. PH call letter No. 4552, dtd: 06.12.2018.
6. Industry letter dtd: 08.12.2018.
7. RO-Peenya letter No. 1486, dtd: 24.12.2018.
8. Proceedings of the Consent Committee Meeting held on 11.01.2019.
9. Proceedings of the closure order issue/revoke Committee meeting held on 14.01.2019.
10. Board refused consent on 8.2.2019.

Regional Office Peenya, No. 3057, Date 16 FEB 2019, BANGALORE 560 058, Karnataka State Pollution Control Board

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PREAMBLE:

M/s. Washport Processing is an existing industry obtained consent for the period upto 30.09.2017. Further, industry has applied for renewal of consent for the period from 01.10.2017 to 30.09.2022 under small Orange category and the RO-Peenya has inspected the industry on 19.06.2018.

On verification, the following non-compliances were observed;

1. Industry has obtained consent to carryout Washing of readymade garments of capacity 180000pieces/month and has not submitted the Annual production for the year 2018-19.
2. As per Personal hearing held on 22.5.2017, the industry was informed to complete the plumbing works of all the ETP units and to provide RO Plant within 45 days' time from the date of personal hearing. Whereas, the industry has not provided RO Plant and continues to discharge trade effluent into BWSSB sewer and treated effluent from ETP outlet into BBMP storm water drain.
3. It was observed that, the ETP was not under operation and the trade effluent from the 4 Nos of 35 KL capacity collection tanks are discharged into BWSSB sewer as well as into BBMP storm water drain.
4. On verification of the records, it was found that the industry has not obtained permission from BWSSB nor BBMP to discharge effluent into UGD/Sewers and continues to discharge the trade effluent leading to Shivapura Lake and contaminating water quality in the said lake as per monthly lake water sample analysis reports of the Central Environment Laboratory.

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5. The previous analysis reports of the effluents discharged into storm water drain reflects that the parameter are not confirming to the standards i.e., BOD 210 against the stipulated standards of 100 mg/L and Total suspended solids 250 against the stipulated standards of 200 mg/L.
6. The industry is not operating and maintaining ETP in scientific manner, there were no mechanical device to measure the in-flow and out flow of the effluent into ETP, Log books are not maintained and also the qualified persons were not employed to operate the ETP.
7. Besides, the industry is also not complied with personal hearing directions for providing RO Plant for recycling of treated effluent into the process.
8. Industry generates used oil from servicing of DG Set & ETP sludge which are not quantified.
9. The industry is required to apply and obtain authorization under Hazardous and Other Wastes (Management and Transboundary Movement) Rules, 2016.
10. The industry has not provided display board in front gate of the plant premises as per Board specifications and also not provided secure temporary storage facility for hazardous waste.
11. The industry has not provided port holes and platforms for Boiler to carrying out stack emission monitoring, electrical points and all other necessary arrangements including ladder.

In view of the above observations, RO has recommended as follows;

- The industry has sought consent for discharge of effluent and emissions for the period from period 01.10.2017 to 30.09.2022 without complying with Personal hearing Directions and previous consent conditions. There is no permission either from BWSSB or BBMP to discharge effluent into sewer. There are complaints from the local corporator of the area regarding discharge of industrial effluent into Shivapura lake leading to contamination of water quality and issue was discussed in the Review meeting held under the Chairmanship of Hon'ble MLA Dasarahalli constituency on 19.6.2018 and it was instructed to initiate action against the industries discharging effluent into Shivapura Lake. By considering the said facts a Show cause Notice was issued to the industry on 20.6.2018.
- Keeping in view of the aforesaid non-compliance it is recommend to initiate further action against the industry since, the Prohibitory orders issued RSEO-Bengaluru city on 4.4.2017 is still under force.

Further, industry was called for hearing at Board on 09.11.2018 and proceedings of the personal hearing were communicated to the industry on 30.11.2018 directing the industry to provide RO before 10.12.2018 and to attend next personal hearing on 10.12.2018.

The RO-Peenya and BWSSB authorities have jointly inspected the industry on 09.11.2018 in view of the discharge of trade effluent to BWSSB sewer leading to improper operation of STP at Nagasandra from the effluent pumping station wet-well located downstream of Karihobanahalli Lake and has reported as follows;

- As per consent, the industry generates sewage effluent at 1.9KLD from domestic activity which is disposed off into BWSSB sewer. Besides, the industry is also generating trade effluent from washing activity at 48KLD.
- As per consent, the industry is required to treat the trade effluent in the ETP and treated effluent discharged into BWSSB sewer. <u>During PH held on 22.05.2017, the industry was informed to provide RO plant and treated effluent shall be utilized for reprocess.</u>
- Due to <u>improper operation and maintenance of ETP and discharge of trade effluent in to BWSSB sewer and into BBMP storm water drain, the industry was issued with NPD and Prohibitory orders from the Regional SEO-B'lore City on 17.04.2017.</u>
- The <u>BWSSB authorities have served notice to the industry on 10.10.2018</u> regarding discharge of trade effluent into the sewer causing problems in operation of the STP located at Nagasandra and they have informed that the industry not to discharge the trade effluent into BWSSB sewer.
- In order to ascertain the discharge of trade effluent into BWSSB sewer, the <u>manhole located in front of the premises was opened and found the discharge of washing effluent in the sewer line.</u>

- The ETP located in the industry premises was inspected and found that the ETP was not in operation and there was no discharge from the ETP outlet and it was observed that the entire trade effluent was bypassed into BWSSB sewer from the trade effluent ETP inlet collection tank. However, the effluent from the inlet collection was collected and it resembles the trade effluent discharged into BWSSB sewer.
- The industry is not implementing consent conditions and taken steps to discharge trade effluent from dyeing and washing activity in to BWSSB sewer and causing problems in operation and maintenance of BWSS STP located at Nagasandra.
- Even after issued of NPD, Prohibitory orders and notice from BWSSB authorities, the industry has not stopped the discharge of trade effluent into BWSSB sewer.

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In view of the above non-compliances, RO-Peenya has issued **Show cause notice** to the industry on 24.11.2018 and has recommended for issue of Closure orders to the industry since, the industry has already issued with **Prohibitory orders** and **Notice of Proposed Directions** from Regional SEO-B'lore City and already an opportunity of hearing was given to industry to implement consent conditions.

Further, industry vide their letter dtd: 08.12.2018 has informed that "installation of RO is still under process and need one more week time to complete the installation and to run the RO plant".

The RO-Peenya vide his letter dtd: 24.12.2018 has informed that "so far, the industry has not submitted compliance report to personal hearing held on 09.11.2018 and accordingly, the XGN consent application under Water and Air Acts are reverted from RSEO-B'lore City to RO-Peenya and same is forwarded to Board office for further deliberation, since the application is pending in Sakala port from log time".

The subject was placed and discussed in the CCM held on 11.01.2019 & after detailed deliberation, the committee has "**recommended to refuse the CFO in view of non-compliances**" vide Ref.(8).

In Board Office memorandum dated 18.05.2015, the power to approve the closure directions is delegated to Closure order issue/revoke committee.

In view of the above, the subject was discussed in the Closure Order issue/revoke Committee Meeting held on 14.01.2019 & after deliberation '**recommended to issue Closure order to the unit**'.

Board refused consent on vide ref (10).

Since, the industry has not submitted compliance report to personal hearing held on 09.11.2018, it was decided to issue Closure Order under section 33(A) of the Water (Prevention and Control of Pollution) Act, 1974 and read with Rule 34 of Karnataka State Board for the Prevention and Control of Water Pollution (procedure for transaction of business) and the Water (Prevention and Control of Pollution) Rules, 1976 without giving further opportunity of hearing.

Hence, the following order.

ORDER

In the circumstances explained above and in exercise of the powers conferred under section 33(A) of Water (Prevention & Control of Pollution) Act, 1974, read with rule 34 of Karnataka State Board for the Prevention and Control of Water Pollution (Procedure for Transaction of Business) and the Water (Prevention and Control of Pollution) Rules, 1976 and the Board hereby issues the following directions to;

1. **The Occupier, M/s. Washport Processing, No. 288, IV Phase, Peenya Industrial Area, Bengaluru-560058 to close the operation of the industry forthwith.**
2. The Managing Director, 'BESCOM', Near K.R. Circle, Nrupathunga Road, Bangalore, to issue necessary directions to the concerned Executive Engineer and Assistant Executive Engineer to stop/cut off power supply to the above said industry forthwith.

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3. The Chairman, BWSSB, Kaveri Bhavan, Bangalore to issue necessary directions to the concerned Executive Engineer and Assistant Executive Engineer to stop/cut off water supply to the above said industry forthwith.
4. The Deputy Commissioner, Bangalore Urban District, Bangalore to seize the unit forthwith until further orders.

This order is issued with the approval of competent authority viz Chairman, KSPCB.

FOR AND BEHALF OF THE
KARNATAKA STATE POLLUTION CONTROL BOARD,
BANGALORE
Sd/-
MEMBER SECRETARY

To,

1. The Occupier,
   M/s. Washport Processing,
   No. 288, IV Phase, Peenya Industrial Area,
   Bengaluru-560058.
2. The Managing Director, 'BESCOM',
   Near K.R. Circle, Nrupathunga Road.
   Bangalore.
3. The Chairman,
   Bangalore Water Supply & Sewerage Board,
   Kaveri Bhavan, Bangalore.
4. Executive Engineer,
   BESCOM, Peenya Division,
   No. 66, 6th Main Road, KRUWPD Building,
   Near Uco Bank, 3rd Phase, Peenya,
   Bangalore 560 058.
5. Assistant Executive Engineer,
   BESCOM Sub Division
   No. 488, Brindavan, 14th cross, 2nd stage,
   Peenya, Bangalore 560 058.
6. Executive Engineer,
   North West BWSSB Division,
   West of Chord Road, Mahalakshmi Puram,
   Bangalore -560 086.
7. Assistant Executive Engineer,
   BWSSB NW-3 Sub Division,
   100 Road, TVS Cross, Peenya 1st stage,
   Bangalore 560 058.
8. The Deputy Commissioner,
   Bangalore Urban,
   Bangalore.

Copy to;

1. The Regional Senior Environmental Officer, Bangalore-City for information and necessary action. He is directed to take necessary action to ensure that, the industry shall be closed immediately.
2. The Environmental Officer, Regional Office. Bangalore- Peenya for information and necessary action. He is directed to take necessary action to ensure that, the industry shall be closed immediately.
3. Case file.

MEMBER SECRETARY

12/2

(g) PRIMARY WATER QUALITY CRITERIA FOR VARIOUS USES LAID DOWN BY CENTRAL POLLUTION CONTROL BOARD:

SL. NO.	CHARACTERISTICS	A*	B*	C*	D*	E*
1	Dissolved Oxygen (D.O.) mg/l, min.	6	5	4	4	-
2	Biochemical Oxygen Demand (B.O.D.) mg/l, max	2	3	3	-	-
3	Total Coliform Organisms**, MPN/100 ml, max	50	500	5000	-	-
4	pH value	6.5-8.5	6.5-8.5	6.9	6.5-8.5	6-8.5
5	Free Ammonia (as N), mg/l, max	-	-	-	1.2	-
6	Electrical Conductivity, Micro-mhos/cm, max	-	-	-	-	2,250
7	Sodium Absorption Ratio, max	-	-	-	-	26
8	Boron, mg/l, max	-	-	-	-	2
9	Sulphates (as SO_4), mg/l, max	400	-	400	-	1000
10	Nitrates (as No_4), mg/l, max.	20	-	50	-	-
11	Free Ammonia (as NH_3), mg/l, max	-	-	-	1.2	-
12	Conductivity at 25°C, Micromhos/cm, max	-	-	-	1000	2250
13	pH value	6.5-8.5	6.5-8.5	6.5-8.5	6.5-8.5	6.0-8.5
14	Arsenic (as As), mg/l, max	0.05	0.2	0.2	-	-
15	Iron (as Fe), mg/l, max	0.3	-	50	-	-
16	Flourides (as F), mg/l, max	1.5	1.5	1.5	-	-
17	Lead (as Pb), mg/l, max	0.1	-	0.1	-	-
18	Copper (as Cu), mg/l, max	1.5	-	1.5	-	-
19	Zinc (as Zn), mg/l, max	15	-	15	-	-

* Use Classes (A) Drinking water source without conventional treatment but after disinfection, (B) Out door bathing organized, (C) Drinking water source with conventional treatment followed by disinfection, (D) Propagation of wildlife, fisheries, (E) Irrigation, industrial cooling, controlled waste disposal.

** If the Coliform count is found to be more than the prescribed tolerance limits, the criteria for Coliforms shall be satisfied if not more than 20 percent of samples show more than the tolerance limits specified, and not more than 5 percent of samples show values more than 4 times the tolerance limits. Further, the Fecal Coliform should not be more than 40 percent of the total Coliform. **Source: Indian Standard (IS:2296-1982).**